Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/08/2014 03:09 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/08/2014 01:08 PM
Cytometer Configuration:	Euroflow PLUS 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125279	0	1.18	125128	1.10
Blue	F	SSC	125000	122822	-2	2.35	123743	2.09
Blue	E	FITC	17083	16520	-4	2.14	929	7.92
Blue	D	PE	24195	23818	-2	1.74	1074	7.03
Blue	B	PerCP-Cy5-5	64158	62929	-2	2.41	1666	11.33
Blue	A	PE-Cy7	76341	75111	-2	3.42	993	21.67
Red	C	APC	61782	61878	0	2.39	3504	7.61
Red	A	APC-Cy7	92681	92628	-1	2.46	1840	7.42
Violet	B	CF-BLUE	13115	12715	-4	2.75	783	6.73
Violet	A	V500	46454	44859	-4	2.32	2533	4.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20255	2.85	566	-8	N/A	N/A	Pass
Blue	F	SSC	61692	1.44	479	0	N/A	N/A	Pass
Blue	E	FITC	103	31.12	503	-2	0.0315	29	Pass
Blue	D	PE	224	21.06	502	-1	0.2144	94	Pass
Blue	B	PerCP-Cy5-5	206	33.86	574	-1	0.0148	0	Pass
Blue	A	PE-Cy7	78	81.30	634	-1	0.0195	4	Pass
Red	C	APC	329	25.30	568	0	0.0243	66	Pass
Red	A	APC-Cy7	117	35.30	547	0	0.0055	742	Pass
Violet	B	CF-BLUE	83	36.28	447	-2	0.0703	1970	Pass
Violet	A	V500	167	18.93	472	-2	0.0196	169	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.32	-31.17	0.89
Blue	20.45	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.27
Red	16.43	13.07 - 19.61	N/A	N/A	31.80	32.01	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11283

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments